

Note pump in well #2

7149-3 Elwood T. Thompson

5-10-78 well #1. 24 ft deep. 75 ft. water
pumped at 325 gpm.

Well #2 same as above.

Pumping CP at 650 gpm.

Well #1 5 HP U.S. Electric

Weiden Road roller. Serial A 73414

Head # 4 M. 7 8 A H

Well #1 U.S. Electric 30 HP.

1165 RPM.

ID# R XA677-01-649 R2092035

Pump: Weiden Road Roller

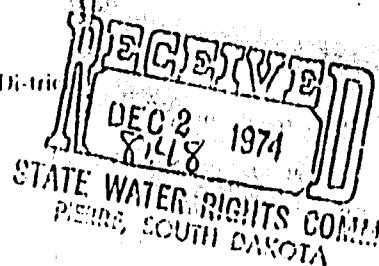
U.S. Electric 1736 ft long

650 gpm @ 80/51

Model 76 F.C.5 No. 4 6152549

1. Considered JANUARY 22, 1975 2149.3
2. Name of Applicant EDWARD ELKAMP
3. Post Office Address BROOKINGS
4. Amount of water claimed 1.9
5. Source of water supply GROUND WATER (26')
6. Water to be used for IRRIGATION
- Acres to be irrigated 13.7
7. Water to be diverted and used in BROOKINGS county
about 1N, 2E miles of AURORA
8. Proof of Publication Received 12-24-74
 Not Received
9. Application Approved
 Subject to
 Not Approved
 Action deferred
10. Remarks:

Map No. 1543-3 Water Division No. 3 BIG SIOUX RIVER District 2149-3
(To be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable)

- Name of Applicant Edward Telkamp
Postoffice address Brookings, State South Dakota 57006
If a corporation—how date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) Direct Labor
- Name of diversion work Telkamp Irrigation Project #1
- Amount of water claimed (cubic feet per second) 1.9
- Source of water supply Well
- Location of point of diversion 1300' N 8° W of SE corner
of Section 30 - 110-49
County Brookings
- Annual period or periods during which water is to be used May through October
- Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrig. & stock
- For irrigation use, Total number of acres to be irrigated 132
(List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.)

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
NW 1/4 of SE 1/4 Sec 30 - 110-49	40		
NE 1/4 of SE 1/4 Sec 30	39		
SW 1/4 of SE 1/4 Sec 30	21		
SE 1/4 of SE 1/4 Sec 30	37		

Attach sheet if more space is needed

- Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use Five years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Brookings Register
- Principal Features of the Proposed Water Supply System.
 - Works proposed to divert water from its natural source. Well with Deep Well Turbine
Powered by electric motor
 - Works proposed to transport water to place of use. closed conduit - Aluminum Pipe
 - Works proposed to apply water to beneficial use. E-Z Rain Hose pail with
hydraulic sprinker

Estimated Total Cost \$ 16000

Attachments: Attach Form 2A if diversion from a well or digout, or if storage of water, is provided. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of Brookings

I, Edward Telkamp the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend and am able to complete the necessary construction.

Signed Edward Telkamp

Subscribed and sworn to before me this 14 day of December 1974

Allen Wilcox
Notary Public for other counties

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 2149-3
EDWARD TELKAMP RTE 2 BROOKINGS
 (Applicant) (Post Office Address)

SOUTH DAKOTA 57006 With the following modifications:
 (State)

The irrigation well approved under this Permit is located near domestic wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in existing domestic wells.

Date of first receipt of application DECEMBER 2, 19 74
 Date of return to applicant for correction, amendments or changes required —, 19 —
 Date of receipt of corrected application —, 19 —
 Approved JANUARY 23, 19 75, Recorded in Book 13 Page 152

WATER RIGHT PERMIT NO. 2149-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 2149-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is DECEMBER 2, 19 74
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 23, 19 78
3. The whole of said work is to be completed on or before JANUARY 23, 19 80
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 23, 19 83
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 1.9 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses herein and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-eighth (1/8) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before JANUARY 23, 19 83 said water to be used during the following described annual period: MAY THRU OCTOBER

Witness my hand this 24TH day of JANUARY, 19 75

WATER RESOURCES COMMISSION

By:

Donnell Winick
 Chief Engineer, Executive Officer

Certificate of Construction Issued —, 19 —

Water License Issued —, 19 —

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

(1) Drill Hole, Diameter 2 1/2", Depth 26'
 (2) Casing, Type Steel Diameter 1 1/2" Thickness 1/4"
 (wood, concrete, steel, etc.)
 (3) Perforated Screen.
 Type Johnson Irregular, Diameter 1 1/2", Length 10'
 (4) Gravel Pack, Thickness 3", Length of gravel pack 15'

E. Dugout Information or Estimates.

(1) Surface dimensions , Depth

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Please attach a copy of test well log if available.)

Character of Water bearing materials clean coarse gravel with
very few fines - generally 0.45" to 3.75"
in size.

Depth to top of water bearing material 9'
 Depth to bottom of water bearing material 26'
 Thickness of water bearing material 17'
 Depth to water (ground surface to water level) 9'

(2) Distance to nearest existing household or livestock watering wells.

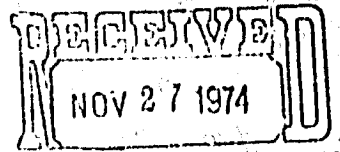
On same owner's property 120 rds. On property owned by others 160 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Edward Telkamp
 Signature of Applicant

November 20, 1974



STATE WATER RIGHTS COMM.
PIERRE, SOUTH DAKOTA

Mr. Edward Talkamp
Route 2
Brookings, SD 57006

Dear Mr. Talkamp:

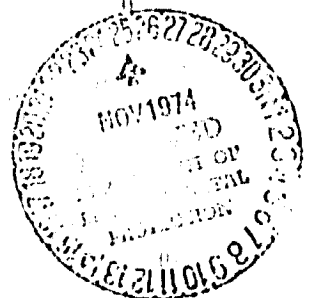
We have received a WI-1 form in connection with the application for irrigation in Sec 30 T110N R49W. The WI-1 form and a copy of this letter and a copy of the water analysis are being forwarded to the State Conservation Commission.

The water which you have is moderately high in total salinity, but low in sodium. It should cause no difficulty in irrigation of the crops which you intend to irrigate with the soils you have. With the exception, however, that the Volga silty clay loam, somewhat poorly drained, soils in the southeastern part of the area may experience a high water table at times and, therefore, not be irrigable in the same sense that the Vienna soils to the north and west are. With a hose pull type of irrigation system you, of course, can select out the areas which can be irrigated under these circumstances. You should also be advised that this Volga silty clay loam is a class of land somewhat poorly drained and may give you difficulties at times. However, there is no chemical problem with the water. Please note the attached Extension Circular 654 and the quality of the water as designated on the back cover.

Sincerely yours,

L. O. Fine
L. O. Fine
Water Quality Lab

brw
Enclosures
CC: ✓ State Conservation Commission
Alva Aho, Brookings County Agent
Darrel Fahl



STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]
11/5/74

Disapproved: _____

NAME: Edward Telkamp

ADDRESS: Brookings South Dakota

COUNTY: Brookings

LEGAL DESCRIPTION

1. WELL LOCATION: SE 1/4 + SE 1/4 of Sec 20, 110-49

2. AREA TO BE IRRIGATED: SE 1/4 of 30-110-11

TYPE OF IRRIGATION

3. GRAVITY _____ SPRINKLER (Indicate Type): Hand Pail

4. CROPS TO BE IRRIGATED: Corn + Alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: Vienna loam, gently sloping = 3-4%
Vienna loam, sloping = 5-8%
Volga silty clay loam, somewhat poorly drained = 0-2%

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: Class II + III, except
the Volga silty clay loam, Class II, limited by occasional severe wetness.

WATER QUALITY (To Be Completed by Commission)

7. SAMPLE NO: 74-910

8. SALINITY: EC = 940 micromhos/cm (mod. high)

9. SODIUM: SAR = 0.46 (low)

I do hereby certify that a chemical analysis of the ground water to be acquired for irrigation from South Dakota State University and:

the land capability for irrigation information has been acquired from

Brackman County Soil Survey - Map SA B-116b

and:

that the legal description for the location of the well and land to be irrigated is true and correct.

Edward Telkamp

Subscribed and sworn before me this

14 day of November 1974.

Lillian Wilcox

Natary Public

(Title)

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: Edward Tolkamp Date Rec'd October 29, 1974
 Address Rt. 2 Sample No. 74-910
Brookings, SD 57006 Identification Well-
SE $\frac{1}{4}$, Sec. 20, T 110N, R 49W

WATER ANALYSIS

Calcium (Ca)	110	ppm*	5.50	me/l**
Magnesium (Mg)	53	ppm	4.35	me/l
Sodium (Na)	24	ppm	1.03	me/l
Potassium (K)	4	ppm	0.09	me/l
Sulfate (SO ₄)	140	ppm	2.91	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	28	ppm	0.78	me/l
Bicarbonate (HCO ₃)	200	ppm	3.28	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	164	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	940	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.46			
Sodium	9.38	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	6.99			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 10.97 me/l
 Total anions 6.97 me/l

By: Shirley Mittan

Service Performed	Amount Due
Irrigation analysis	\$6.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 74-910

Amount Enclosed \$

Signed

No. 2149-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brookings) ss.

I, James M. McLellan Jr. hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Brookings Daily Register

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

City _____ of Brookings

County of Brookings and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

Dec. 16, 1974

Dec. 23, 1974

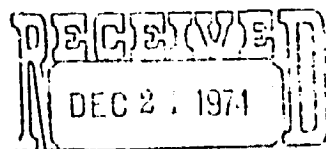
James M. McLellan Jr.
(Signature)
General Manager
(Title)
December 23, 1974
(Date Signed)

No. 138--Dec. 16 & 23 1974
NOTICE
INTENT TO APPROPRIATE WATER
Pierre, South Dakota 57501
December 2, 1974

Notice is hereby given that Edward
Telkamp whose post office address is
Brookings, South Dakota, has made an
application in accordance with the
provisions of the water laws of South
Dakota for a permit to appropriate for
beneficial use 1.9 cubic feet of water
per second of time from ground water
through the Telkamp Irrigation
Project No. 1, the point of diversion of
which is to be located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$
of Section 20, Twp. 110N, Range 49W.
Said water to be used for the purpose of
providing irrigation on a portion of the
following land: SE $\frac{1}{4}$, Section 30,
T110N, R49W

This application No. 2149-3 will be
considered by the Water Rights
Commission at its office at Pierre upon
the 22nd day of January, 1975, at 2:30
P.M. All interested persons may
appear and be heard.
WATER RIGHTS
COMMISSION

By: BURTON F. JONES
Water Rights Specialist



STATE WATER RIGHTS COM.
PIERRE, SOUTH DAKOTA

Publish first publication, on or before January 8, 1975NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 2, 1974

Notice is hereby given that Edward Telkamp
whose post office address is Brookings, South Dakota, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use
1.9 cubic feet of water per second of time from the ground water through the
Telkamp Irrigation Project #1, the point of diversion of which is to be located in the _____

SE 1/4 SE 1/4

of Section 30, Twp. 110N, Range 49W. Said water to be used for the purpose
of providing irrigation on a portion of the following described land:

SE 1/4, Section 30, T110N, R49W

This application No. 2149-3 will be considered by the Water Rights Commission at its office at
Pierre upon the 22nd day of January, 1975, at 2:30 P. M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES

Water Rights Specialist

BFJ/lw

cc: Edward Telkamp, Route 62, Brookings, S.D. 57006



DEPARTMENT OF WATER & NATURAL RESOURCES

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

GREAT FACES. GREAT PLACES.

February 1, 1991

EDWARD TELKAMP
630 22ND AVE
BROOKINGS SD 57006

NOTICE

RE: Violation of Requirement to Submit 1990 Irrigation Questionnaire

Our records indicate that the 1990 Irrigation Questionnaire has not been submitted for Permit No(s) 2149-3. The request for the Questionnaire was dated October 12, 1990. The Water Management Board has directed that owners of water permits who have not submitted the 1990 Irrigation Questionnaire be given notice of hearing(s) to be held by the Board to determine if any action is to be taken concerning the violation.

The hearings will be held at 9:15 am, February 27, 1991, at the Governor's Inn in the meeting room, 700 West Sioux Avenue, Pierre SD.

The hearing will be conducted pursuant to the provisions of SDCL 45-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCL 1-26. Following the hearing(s), the Water Management Board can:

1. Amend Permit No(s) 2149-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action;
3. Take no action.

The hearing(s) is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is received in this office before the February 27th hearing date, your name will be deleted from the agenda for the hearing.

Very truly yours,

Ron Duvall, Natural Resources Engineer IV
Water Rights Division
605 773-3352

SENDER. Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery, for additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested. 1. ☒ Show to whom delivered, date and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)							
3. Article Addressed to: EDWARD TELKAMP 630 22ND AVE BROOKINGS SD 57000	4. Article Number P 694-057-298 Type of Service: <table border="0"> <tr> <td>☐ Registered</td> <td>☐ Insured</td> </tr> <tr> <td>☒ Certified</td> <td>☐ COD</td> </tr> <tr> <td>☐ Express Mail</td> <td>☐ Return Receipt for Merchandise</td> </tr> </table> Always obtain signature of addressee or agent and DATE DELIVERED.	☐ Registered	☐ Insured	☒ Certified	☐ COD	☐ Express Mail	☐ Return Receipt for Merchandise
☐ Registered	☐ Insured						
☒ Certified	☐ COD						
☐ Express Mail	☐ Return Receipt for Merchandise						
5. Signature - Addressee X <i>Edward Telkamp</i>	6. Addressee's Address (ONLY if requested and fee paid)						
6. Signature - Agent X							
7. Date of Delivery							

PS Form 3811, Apr. 1959

• U.S.G.P.O. 1959 238-815

DOMESTIC RETURN RECEIPT

South Dakota



DEPARTMENT OF WATER & NATURAL RESOURCES
Joe Foss Building
623 East Capitol
Pierre, South Dakota 57501-3181

February 21, 1991

2149-3
3298-3

Edward Telkamp
620 22nd Ave
Brookings, SD 57006

Dear Mr. Telkamp:

I am writing to acknowledge receipt of your 1990 irrigation questionnaires for Water Permit Nos. 2149-3 and 3298-3. You may disregard the February 1, 1991, Notice of failure to submit the 1990 irrigation questionnaire. With receipt of the questionnaires, your name has been deleted from the February Water Management Board meeting agenda.

If you have any questions, please contact Genny McMath, at (605) 773-3352.

Sincerely,

A handwritten signature in dark ink, appearing to read "Ron Duvall", is written over a circular stamp.

Ron Duvall, Natural Resources Engineer IV
Water Rights Division



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

FEB 27 1992

2149A-3

Edward Telkamp
630 22nd Avenue
Brookings, SD 57006

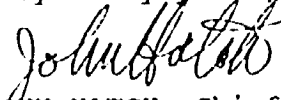
Dear Mr. Telkamp:

Enclosed is Water License No. 2149A-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 412878 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 45-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 2149A-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

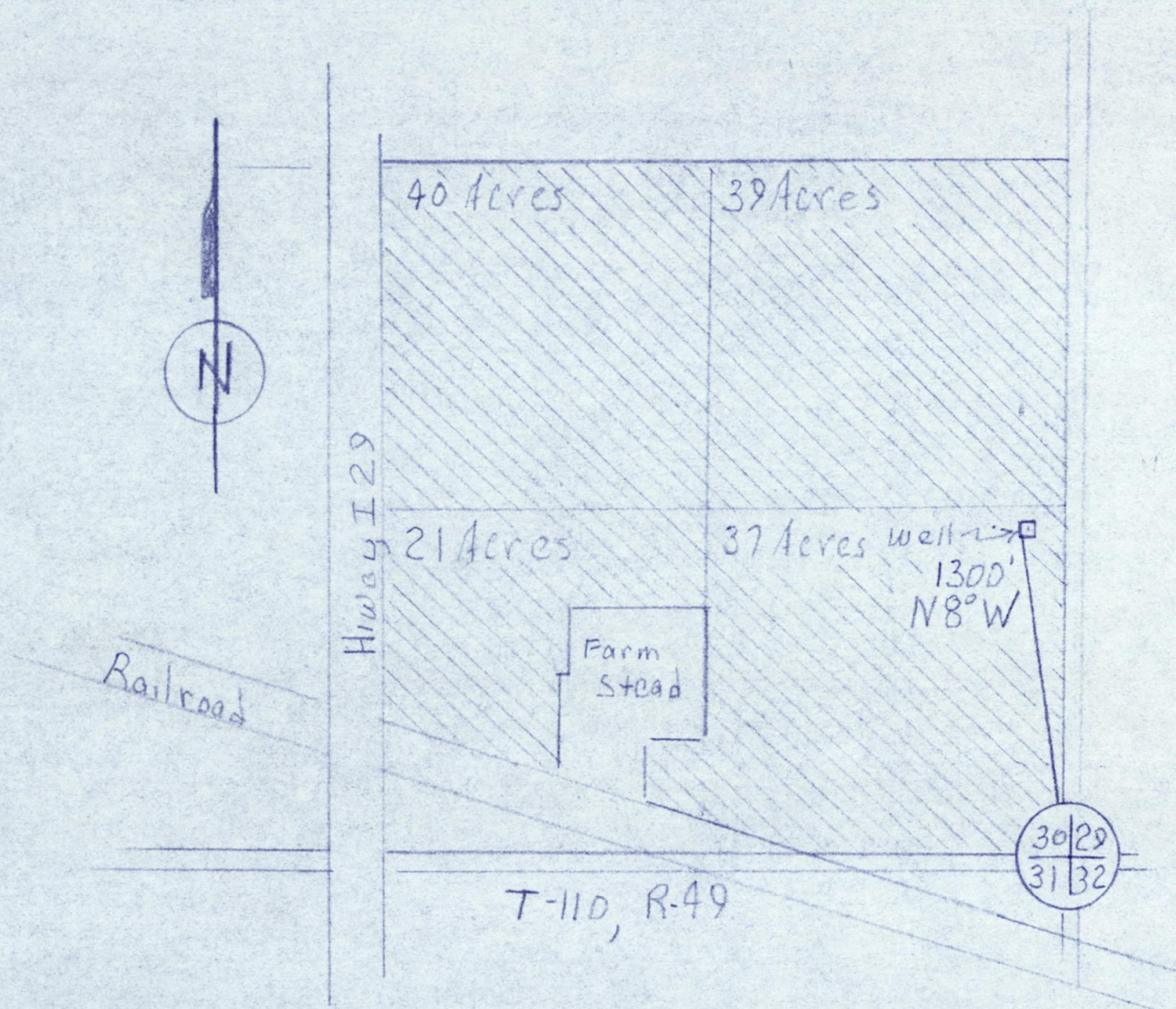
As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

enclosures

NOTE: The applicable portions of Water Permit No. (2149-3) are incorporated into this Water License No. 2149A-3.



EDWARD TELKAMP

IRRIGATION PROJECT # 1
BROOKINGS S.D. BROOKINGS CO.
T110N R49W

Land Description	Acres Irrigated
NW 1/4 of SE 1/4 Sec 30	40
NE 1/4 of SE 1/4 Sec 30	39
SW 1/4 of SE 1/4 Sec 30	21
SE 1/4 of SE 1/4 Sec 30	37
Total Acres	137

Water claimed - 1.9 cfs

Cross hatch indicates irrigated acres
Point of Diversion 1300' N 8° W of SW corner
of Sec 30 - 110-49

Scale - 8" = 1 Mile

Surveyor's Certificate
I, John L. Wiersma, do hereby certify that
This map identifies a reasonably accurate
record of the land of:

Edward Telkamp
Brookings, South Dakota Brookings County
Dated 11-15-74
John L. Wiersma P.E. # 1916
Brookings S.D.

MAP NO 1543-3 (APPL NO 2149-3)